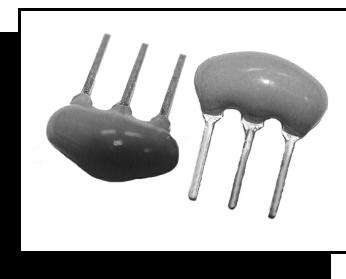


HIGH FREQUENCY LEADED • BUILT-IN CAPACITORS CERAMIC RESONATORS ACR



FEATURES:

- Excellent environmental resistance
- Built-in capacitors save space & components.
- Low cost timing solution.

APPLICATIONS:

- Microprocessor clocks.
- Electric appliances.
- Remote controls.

STANDARD SPECIFICATIONS

Frequency Range (MHz)	Frequency Tolerance (at 25°C)	Frequency Stability (at -20°C to 80°C)	Resonant Impedance (Ω) max.	Operating temperature	Aging (10 yrs)	IC Tested	Vdd
1.8 ~ 6.00	$\pm 0.5\%$	$\pm 0.3\%$	100 for $1.80 \leq F < 3.0$ 50 for $3.0 \leq F < 3.5$ 30 for $3.5 \leq F \leq 6.0$	-20°C to +80°C	$\pm 0.3\%$	MC14069UBP	5V
6.01 ~ 13.00	$\pm 0.5\%$	$\pm 0.3\%$	30	-20°C to +80°C	$\pm 0.3\%$	MC14069UBP	12V
13.01 ~ 50.00	$\pm 0.5\%$	$\pm 0.3\%$	40	-20°C to +80°C	$\pm 0.3\%$	TC74HCU04	5V

We can characterize your IC to meet exact oscillating conditions.
Contact Abracon for details.

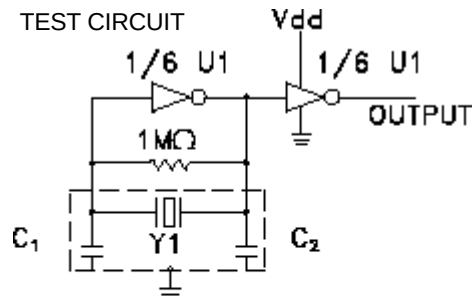
Environmental and mechanical specifications, see appendix C. Group 5.
Marking, see appendix G. Recommended handling, see appendix F.
Application notes, see appendix A.
Ammo packing, see appendix H. (1,500 pcs/box)

ORDERING OPTIONS

ACR - Frequency - Packaging

XX.XXX MHz - Ammo (ammo packing)

TEST CIRCUIT



U1: MC14069UBP
74HCU04

Y1: RESONATOR

Built-in C1 C2: 30pF $\pm$ 20% (1.8M ~ 20.0MHz)
15pF $\pm$ 20% (20.01M ~ 25.99MHz)
5pF $\pm$ 20% (26.0M ~ 50MHz)

1	Input
2	Ground
3	Output

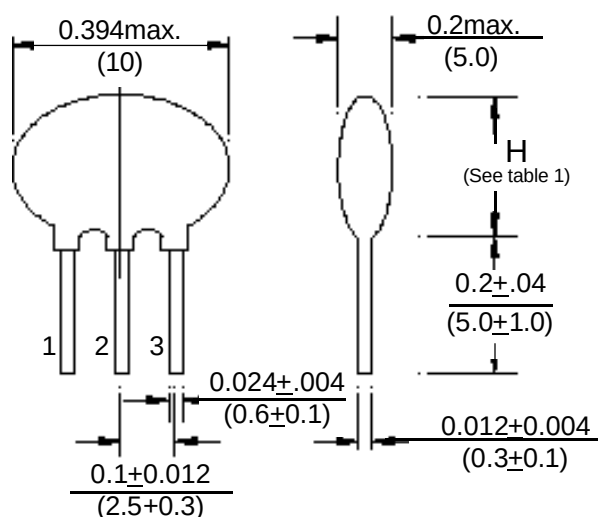


Table 1

Freq. (MHz)	H (max.)
1.8 ~ 6.0	0.315 (8.0)
6.01 ~ 50.0	0.395 (10.0)

Dimensions: Inches (mm)

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED

NOTE: Left blank if standard • All specifications and markings subject to change without notice

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